

Energy Storage Design Project – Feedback Form

May 20, 2020

<u>Date Submitted:</u> 2020/06/3	<u>Feedback Provided By:</u> Company Name: EverGreen Energy Corp Contact Name: Garry Spence Contact Email: [REDACTED]
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Following the May 20, 2020 Energy Storage Advisory Group (ESAG) meeting to discuss the Energy Storage Design Project, the IESO is seeking feedback from participants on whether the design proposals captured within the presentation offer pragmatic solutions for the participation of energy storage in the IESO Administered Markets in the long-term. The IESO will work to consider feedback and incorporate comments as appropriate and post responses on the engagement webpage.

The referenced presentation and design document can be found under the May 20, 2020 entry on the [ESAG webpage](#).

Please provide feedback by June 10, 2020 to engagement@ieso.ca. Please use subject: *Feedback: Energy Storage Design Project*. To promote transparency, this feedback will be posted on the [ESAG webpage](#) unless otherwise requested by the sender.

Thank you for your time.

Topic	Feedback
<p>State-of-Charge (SOC) Management: The IESO has proposed an SoC Management Lite approach that will provide the the same market access as a generator and account for the practical operating realities of a storage facility</p>	<p>Due to other commitments unfortunately I was not able to attend this webinar. However, our company strongly supports clean lead acid battery storage from the home size to MW sizes. For the homes energy storage is the supply of energy for the home owner and they will no longer have to worry about their hours for power.</p>
<p>Market and Facility Registration: Storage facilities may either register as a dispatchable facility or, if less than 10 MW, a self-scheduling facility Storage facilities will be modelled as a single resource with the capability to inject, store and withdraw energy</p>	<p>We can help the home storage and large storage needs and work with the lead acid battery storage systems. We provide a battery desulfator that keeps lead acid batteries working like new for more than double the lifetime of lead acid batteries. With the batteries working at maximum power this provide a strong and efficient power storage for the home owners and the large solar and wind projects.</p>
<p>Offer Curve: Energy storage offer curves will be continuous over the charging and discharging range</p>	<p>Contact EverGreen Energy and we will be glad to supply the Canadus Battery Desulfator.</p>
<p>Price Setting: Dispatchable electricity storage resources should be able to set the market clearing prices for energy and operating reserve</p>	<p>With the Canadus Battery Desulfator the batteries will last twice as long and operate at like new condition providing the power storage with maximum storage. Battery costs will be greatly reduced and most importantly the power will be available from storage on time as needed.</p>

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Regulation Service: Similar to generators, storage resources will be enabled to provide multiple services including regulation, energy and operating reserve	<p style="text-align: center;">With the Canadus Battery Desulfator it is win-win.</p>

General Comments/Feedback:

Please don't hesitate to contact me for more information. We have an Ontario city who purchased the Canadus in 1998 and when they exchange their emergency vehicles they take the Canadus off the Fire Trucks and Ambulances and put the Canadus on their new vehicles. The city is sorry they don't have to buy new Canadus units.

We look forward to working with the home owners and large solar and wind projects to best store and distribute their power.

All the best,

Garry Spence
 EverGreen Energy Corp